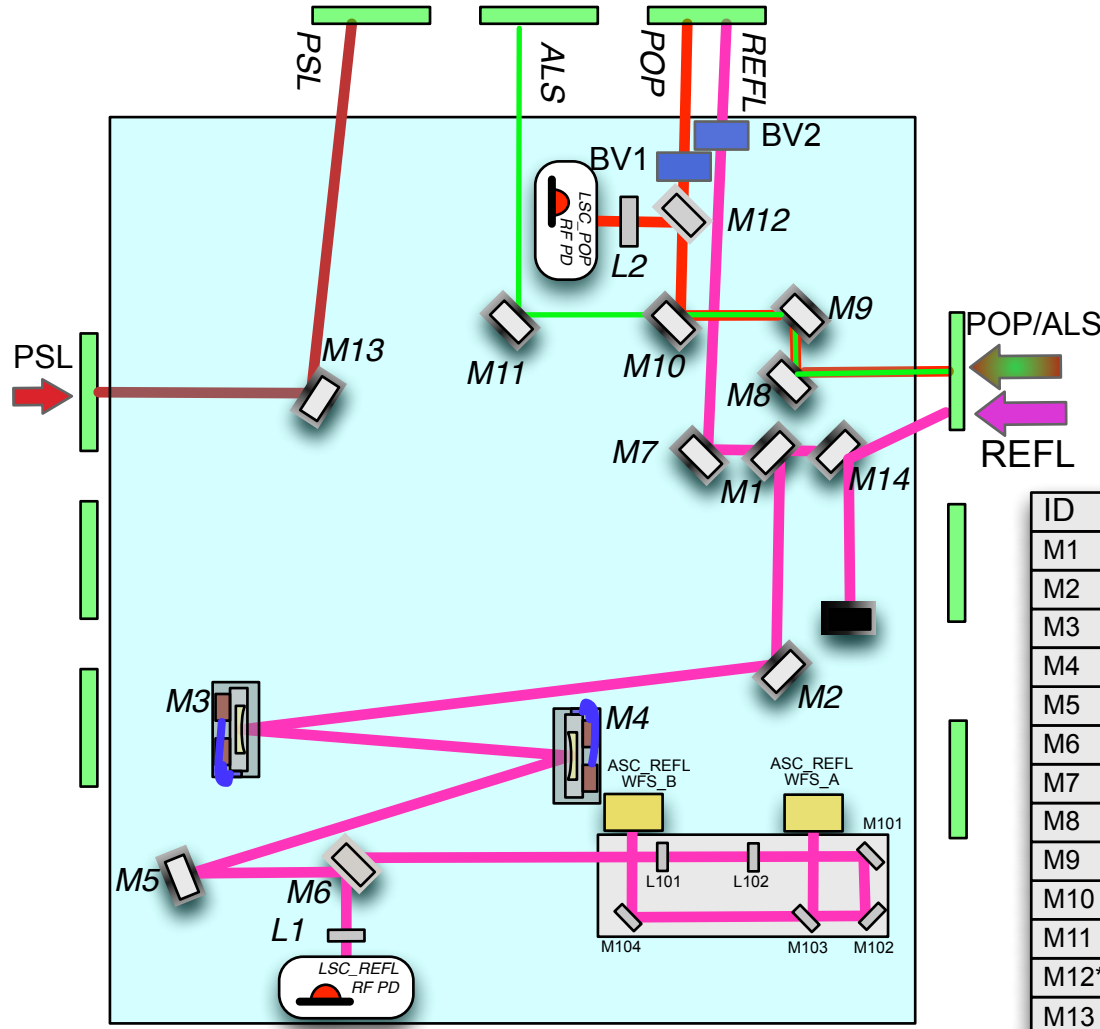


D1000313-v8_HAM1graffle
 Lisa Barsotti, 06/07/2012



ID	Size	Type	DCC	OptoMechanics
M1	2"	BS50%1064	E1000671-02	2" kinematic mirror on table
M2	2"	HR1064	E1100048	2" kinematic mirror on table
M3	2"	+1.7m	E1100056-01	TipTilt
M4	2"	-0.6m	E1100056-03	TipTilt
M5	2"	+1.7m	E1100056-01	2" kinematic mirror on table
M6	2"	BS50%1064	E1000671-02	2" pico motor mirror on table
M7	2"	HR1064	E1100048	2" kinematic mirror on table
M8	2"	HR1064HR532	E1000425	Periscope
M9	2"	HR1064HR532	E1000425	Periscope
M10	2"	HR1064HT532	E1000669	2" kinematic mirror on table
M11	2"	HR532	E1000652	2" kinematic mirror on table
M12*	2"	Window	E040518-W1	2" pico motor mirror on table
M13	2"	HR1064	E1100048	2" kinematic mirror on table
M101	1"	HR1064	E1000595	1" kinematic mirror on sled
M102	1"	HR1064	E1000595	1" kinematic mirror on sled
M103	1"	BS50%1064	E1000671-01	1" pico motor mirror on sled
M104	1"	HR1064	E1000595	1" pico motor mirror on sled
L101	1"	f=+334mm	E1000845-03	1" fixed lens on sled
L102	1"	f=-167mm	E1000845-08	1" fixed lens on sled
L1	1"	f=+334mm	E1000845-03	1" fixed lens on table
L2	2"	f=+334mm	E1000845-10	2" fixed lens on table
BV1	2"	HR1064	old iLIGO	Beam Diverter
BV2	2"	HR1064	old iLIGO	Beam Diverter
M14**	2"	BS95%1064	E1000871-02	2" kinematic mirror on table

NOTES:

*About 300 mW are expected in POP with 25W input power
 M12 needs to be a 10% or 15% reflector
 (need to check reflectivity of E040518-W1),
 alternatively we can use a 90% reflector (E40512-B3)

** About 10% of the input power is expected to be in REFL
 With 25W, this means 2.5 W in the REFL beam coming toward HAM1
 95% of the light is dumped, and 125mw are then split by M1.
 31mW arrive on the LSC_REFL PD, and 15 mW on each of the WFS

ID	Size	Type	DCC	OptoMechanics	Holder/Post
M1	2"	BS50%1064	E1000671-02	2" kinematic mirror on table	D1100361/D1000968
M2	2"	HR1064	E1100048	2" kinematic mirror on table	D1100361/D1000968
M3	2"	+1.7m	E1100056-01	TipTilt	D1001396
M4	2"	-0.6m	E1100056-03	TipTilt	D1001396
M5	2"	+1.7m	E1100056-01	2" kinematic mirror on table	D1100361/D1000968
M6	2"	BS50%1064	E1000671-02	2" pico motor mirror on table	D1100361/D1000968
M7	2"	HR1064	E1100048	2" kinematic mirror on table	D1100361/D1000968
M8	2"	HR1064HR532	E1000425	Periscope	Periscope ?
M9	2"	HR1064HR532	E1000425	Periscope	Periscope ?
M10	2"	HR1064HT532	E1000669	2" kinematic mirror on table	D1100361/D1000968
M11	2"	HR532	E1000652	2" kinematic mirror on table	D1100361/D1000968
M12*	2"	Window	E040518-W1	2" pico motor mirror on table	D1100361/D1000968
M13	2"	HR1064	E1100048	2" kinematic mirror on table	D1100361/D1000968
M101	1"	HR1064	E1000595	1" kinematic mirror on sled	D1100362/D1000968
M102	1"	HR1064	E1000595	1" kinematic mirror on sled	D1100362/D1000968
M103	1"	BS50%1064	E1000671-01	1" pico motor mirror on sled	D1100362/D1000968
M104	1"	HR1064	E1000595	1" pico motor mirror on sled	D1100362/D1000968
L101	1"	f=+334mm	E1000845-03	1" fixed lens on sled	D1100364/D1000968
L102	1"	f=-167mm	E1000845-08	1" fixed lens on sled	D1100364/D1000968
L1	1"	f=+334mm	E1000845-03	1" fixed lens on table	D1100364/D1200237
L2	2"	f=+334mm	E1000845-10	2" fixed lens on table	D1100363/D1000968
BV1	2"	HR1064	old iLIGO	Beam Diverter	D1100642
BV2	2"	HR1064	old iLIGO	Beam Diverter	D1100642
M14	2"	BS95%1064	E1000871-02	2" kinematic mirror on table	D1100361/D1000968

